Amendments to the Claims

A complete list of pending claims follows, with indicated amendments:

1.   (Previously Amended) A method for media repair of a storage device, comprising:

performing a read operation on the storage device;

detecting a read error;

locking a logical block address on the storage device if the read error is detected;

performing a reassign operation on the storage device after the logical block address is locked;

performing a write operation on the storage device after locking the logical block address, wherein the write operation is performed with counter and date information; and

unlocking the logical block address after performing the write operation.

2.   (Original) The method of claim 1, wherein the storage device is a non-redundant RAID configuration.

3.   (Original) The method of claim 1, wherein the read operation is a READ LONG operation.

4.   (Original) The method of claim 1, wherein the write operation is a WRITE LONG operation.

5.   (Original) The method of claim 4, wherein the WRITE LONG operation produces invalid

ECC data.

6.   (Original) The method of claim 1, wherein the storage device is a SCSI device.

7.   (Original) The method of claim 1, wherein the storage device is an IDE device.

8.   (Original) The method of claim 1, wherein the storage device is an ATA device.

9.   (Original) The method of claim 1, wherein the storage device is a non-RAID

configuration.

10-18. (Cancelled)

19.   (Currently Amended) A method for media repair of a storage device, comprising:

        performing a read operation on the storage device;

        locking a logical block address on the storage device if the a read error is detected;

        performing a write operation on the storage device after locking the logical block address,

wherein the write operation is performed with counter and date information; and

        unlocking the logical block address after performing the write operation.

20.   (Original) The method of claim 19, wherein the storage device is a non-redundant RAID

configuration.

21.   (Original) The method of claim 19, wherein the read operation is a READ LONG operation.

22.   (Original) The method of claim 19, wherein the write operation is a WRITE LONG operation.

23.   (Original) The method of claim 20, wherein the WRITE LONG operation produces invalid ECC data.

24.   (Original) The method of claim 19, wherein the storage device is a SCSI device.

25.   (Original) The method of claim 19, wherein the storage device is an IDE device.

26.   (Original) The method of claim 19, wherein the storage device is an ATA device.

27.   (Original) The method of claim 19, wherein the storage device is a non-RAID configuration.

28.   (Currently Amended) A computer system comprising:

    a storage device having storage media, the storage device ~~constructed and arranged~~ <u>operable</u> to perform a read operation;

the storage device further ~~constructed and arranged~~ operable to detect a read error, after

performing the read operation;

the storage device further ~~constructed and arranged~~ operable to lock a logical block

address on the storage device if the read error is detected;

the storage device further ~~constructed and arranged~~ operable to perform a reassign

operation on the storage device;

the storage device further ~~constructed and arranged~~ operable to perform a write operation

on the storage device, wherein the write operation is performed with counter and date

information; and

the storage device further ~~constructed and arranged~~ operable to unlock the logical block

address after performing the write operation;

wherein the storage device ~~can~~ is operable to detect errors in the storage media during the

read operation and write invalid ECC data to prompt replacement of ~~the file~~ a portion of the

storage media being read.

29.   (Original) The system of claim 28, wherein the storage device is a non-redundant RAID

configuration.

30.   (Original) The system of claim 28, wherein the read operation is a READ LONG

operation.

31.   (Original) The system of claim 28, wherein the write operation is a WRITE LONG

operation.

32. (Original) The system of claim 28, wherein the WRITE LONG operation produces invalid ECC data.

33. (Original) The system of claim 28, wherein the storage device is a SCSI device.

34. (Original) The system of claim 28, wherein the storage device is an IDE device.

35. (Original) The system of claim 28, wherein the storage device is an ATA device.

36. (Original) The system of claim 28, wherein the storage device is a non-RAID configuration.